

3.09 | Metallic Expansion Joint

Single Expansion Joint (SEJ)

- Used for absorbing axial, angular and small amounts of lateral movement.
- Standard assemblies with flanges, weld ends or a combination of both.
- Pressure thrust will be transmitted onto the pipeline.
- Correct anchoring and guiding must be used.
- Standard working pressures are 240, 700 and 1400 kPa.
- Pressures up to 10,000 kPa available on request.
- Standard diameters up to 5000 mm available on request.



PART NO	NOM	LENGTH		MOVEMENTS*			SPRING	PRESS
	BORE	FF	WW	AXIAL	LATERAL	ANGULAR	RATE	THRUST
	MM	MM	MM	MM	MM	DEG	N/MM	KN
50 SEJ-240	50	145	218	32	12	18	21	1
50 SEJ-700	50	145	218	21	8	18	21	3
50 SEJ-1400	50	145	218	18	7	18	70	6
65 SEJ-240	65	180	234	36	12	18	19	2
65 SEJ-700	65	180	234	28	11	18	57	4
65 SEJ-1400	65	180	234	22	7	18	102	9
80 SEJ-240	80	180	278	34	13	18	12	2
80 SEJ-700	80	180	278	34	13	18	36	6
80 SEJ-1400	80	180	278	25	8	17	130	12
100 SEJ-240	100	190	278	36	13	18	47	3
100 SEJ-700	100	190	278	32	10	18	84	9
100 SEJ-1400	100	190	278	27	7	14	169	19
125 SEJ-240	125	215	313	50	13	18	50	4
125 SEJ-700	125	215	313	37	10	18	87	14
125 SEJ-1400	125	215	313	27	7	14	169	27
150 SEJ-240	150	215	338	50	15	18	50	6
150 SEJ-700	150	215	338	39	9	18	72	19
150 SEJ-1400	150	215	338	26	6	14	330	39
200 SEJ-240	200	225	330	57	16	18	28	11
200 SEJ-700	200	225	330	47	9	17	105	33
200 SEJ-1400	200	225	330	30	6	13	541	66
250 SEJ-240	250	245	341	64	17	18	27	17
250 SEJ-700	250	245	341	62	10	18	120	51
250 SEJ-1400	250	245	341	44	8	13	289	102
300 SEJ-240	300	280	400	76	18	18	28	24
300 SEJ-700	300	280	400	68	12	17	119	70
300 SEJ-1400	300	280	400	43	8	13	290	141
350 SEJ-240	350	270	418	88	15	18	59	29
350 SEJ-700	350	270	418	69	10	15	126	85
350 SEJ-1400	350	270	418	43	6	12	711	170
400 SEJ-240	400	270	418	84	10	17	86	37
400 SEJ-700	400	270	418	49	5	12	433	108
400 SEJ-1400	400	270	418	35	4	10	1013	217
450 SEJ-240	450	270	436	83	8	15	97	46
450 SEJ-700	450	270	436	48	5	11	490	135
450 SEJ-1400	450	270	436	36	4	8	1136	170
500 SEJ-240	500	270	436	92	9	14	74	57

*Non-concurrent

3.10 | Metallic Expansion Joint

PART NO	NOM	LENGTH		MOVEMENTS*			SPRING	PRESS
	BORE	FF	WW	AXIAL	LATERAL	ANGULAR	RATE	THRUST
	MM	MM	MM	MM	MM	DEG	N/MM	KN
500 SEJ-700	500	270	436	58	6	12	375	167
500 SEJ-1400	500	270	436	39	4	8	1268	335
600 SEJ-240	600	290	450	88	8	12	90	80
600 SEJ-700	600	290	450	58	5	10	459	235
600 SEJ-1400	600	290	450	39	3	7	1541	470
650 SEJ-240	650	395	490	105	15	17	92	93
650 SEJ-700	650	395	490	62	10	13	441	271
650 SEJ-1400	650	395	490	58	9	10	1126	542
700 SEJ-240	700	395	490	103	15	17	131	107
700 SEJ-700	700	395	490	61	10	13	463	312
700 SEJ-1400	700	395	490	58	9	10	1322	624
750 SEJ-240	750	395	490	114	13	16	89	124
750 SEJ-700	750	395	490	69	9	12	498	362
750 SEJ-1400	750	395	490	65	8	11	1438	724
800 SEJ-240	800	395	490	116	13	14	98	140
800 SEJ-700	800	395	490	70	8	10	672	408
850 SEJ-240	850	395	490	110	11	13	107	156
850 SEJ-700	850	395	490	70	7	9	1291	455
900 SEJ-240	900	430	500	108	10	12	115	174
900 SEJ-700	900	430	500	67	6	8	1332	508
950 SEJ-240	950	430	500	110	11	13	122	196
950 SEJ-700	950	430	500	68	7	9	1406	572
1000 SEJ-240	1000	395	490	102	8	11	101	214
1000 SEJ-700	1000	395	490	57	4	6	1510	624
1050 SEJ-240	1050	300	480	94	6	8	106	231
1050 SEJ-700	1050	300	480	44	3	5	2376	673
1100 SEJ-240	1100	300	480	96	6	8	142	260
1150 SEJ-240	1150	300	480	94	6	7	159	279
1200 SEJ-240	1200	300	480	92	5	8	264	304
1250 SEJ-240	1250	300	480	90	5	7	317	333
1300 SEJ-240	1300	470	550	122	11	8	342	359
1350 SEJ-240	1350	470	550	118	11	8	369	386
1400 SEJ-240	1400	470	550	118	10	8	392	414
1450 SEJ-240	1450	470	550	110	10	8	421	443
1500 SEJ-240	1500	470	550	110	8	7	448	473

*Non-concurrent

5

4

3

2

1